

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 61-309112 (71)Applicant : HOYA CORP

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(54) MULTILAYER FILM SURFACE REFLECTOR

(57)Abstract:

PURPOSE: To obtain a multilayer film reflector excellent in a glare shielding property, visibility, etc., by setting up the optical film thickness of one layer of dielectric films successively laminated by the prescribed number of layers to constitute a dielectric multilayer film to $\lambda/2$ (λ is the wavelength of light to be the center of design) and setting up the optical film thickness of the other layers to $\lambda/4$.

CONSTITUTION: The dielectric multilayer film is formed by laminating a high refractive index film layer (2H layer), a low refractive index film layer (L layer) and a high refractive index film layer (H layer) successively on the front face of a glass base 1 and a black absorbing film 9 is applied to the rear face of the same glass base 1. When the optical film thickness of at least one of the dielectric films constituting the dielectric multilayer films is set up to $\lambda/2$ (λ is the wavelength of light to be the center of design) and the optical film thickness of the other layers is set up to $\lambda/4$, a reflection factor in an area with a high dark adaptive specific visibility is dropped and the glare

shielding effect is improved. Since reflection factors in blue and red wavelength areas in which brightness sensitivity of human's eyes is low are increased, the visivility can be increased.

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